

Figure 2A

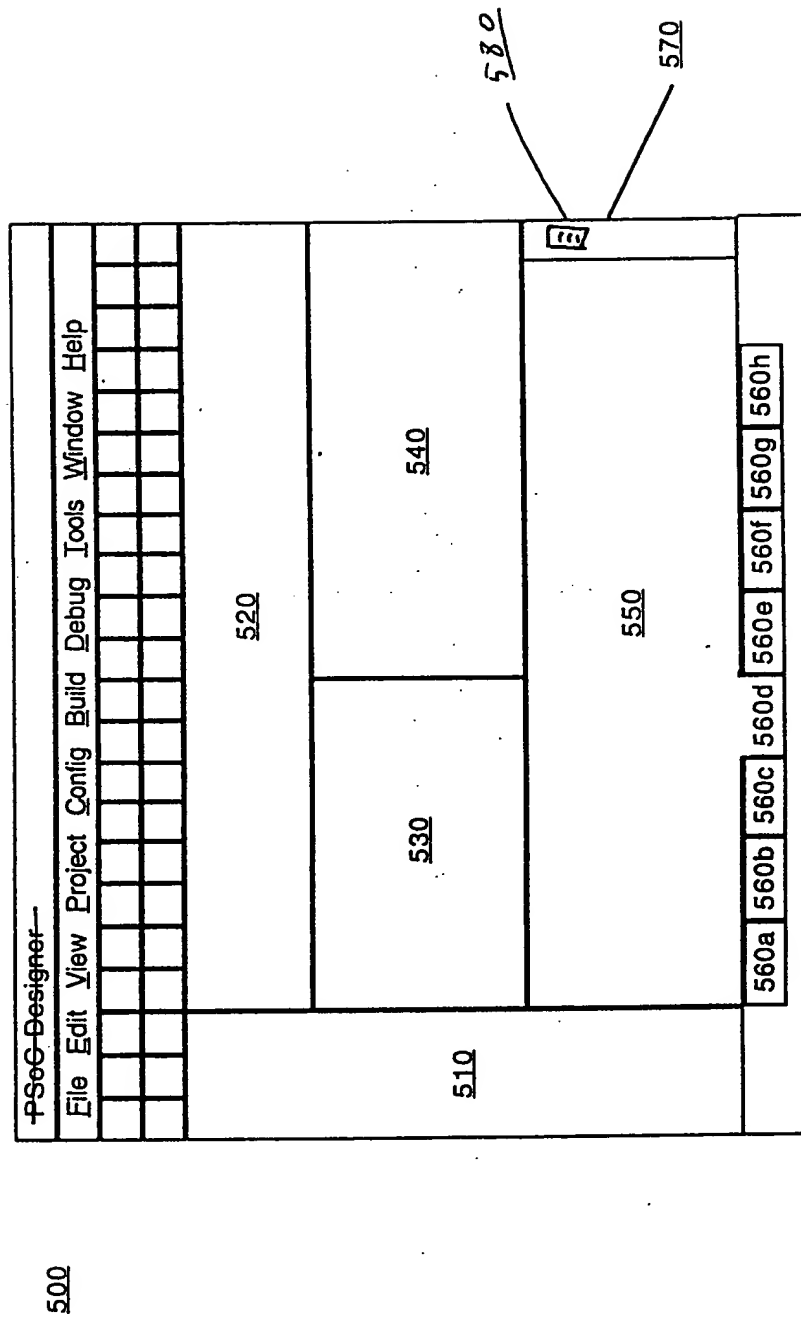
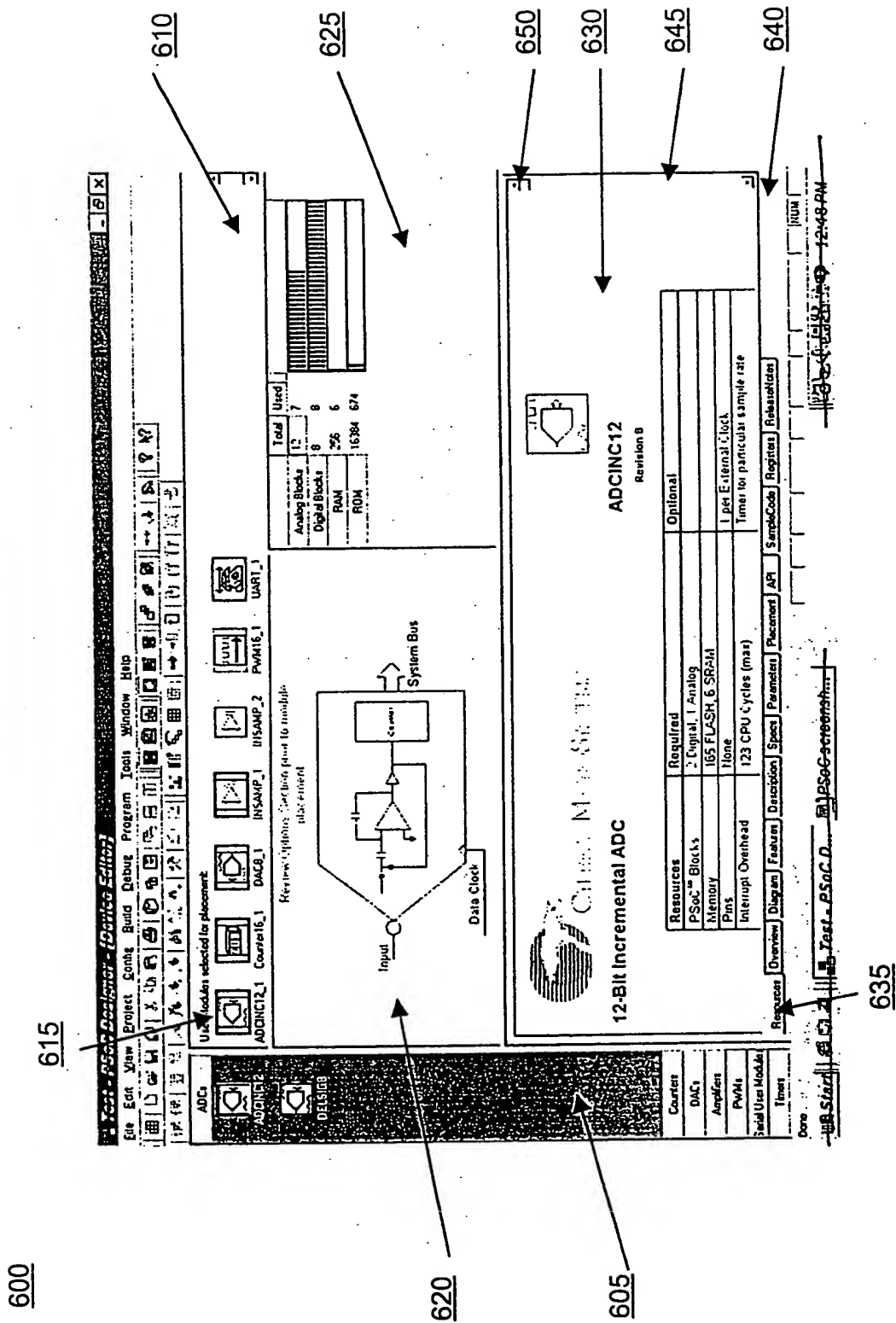
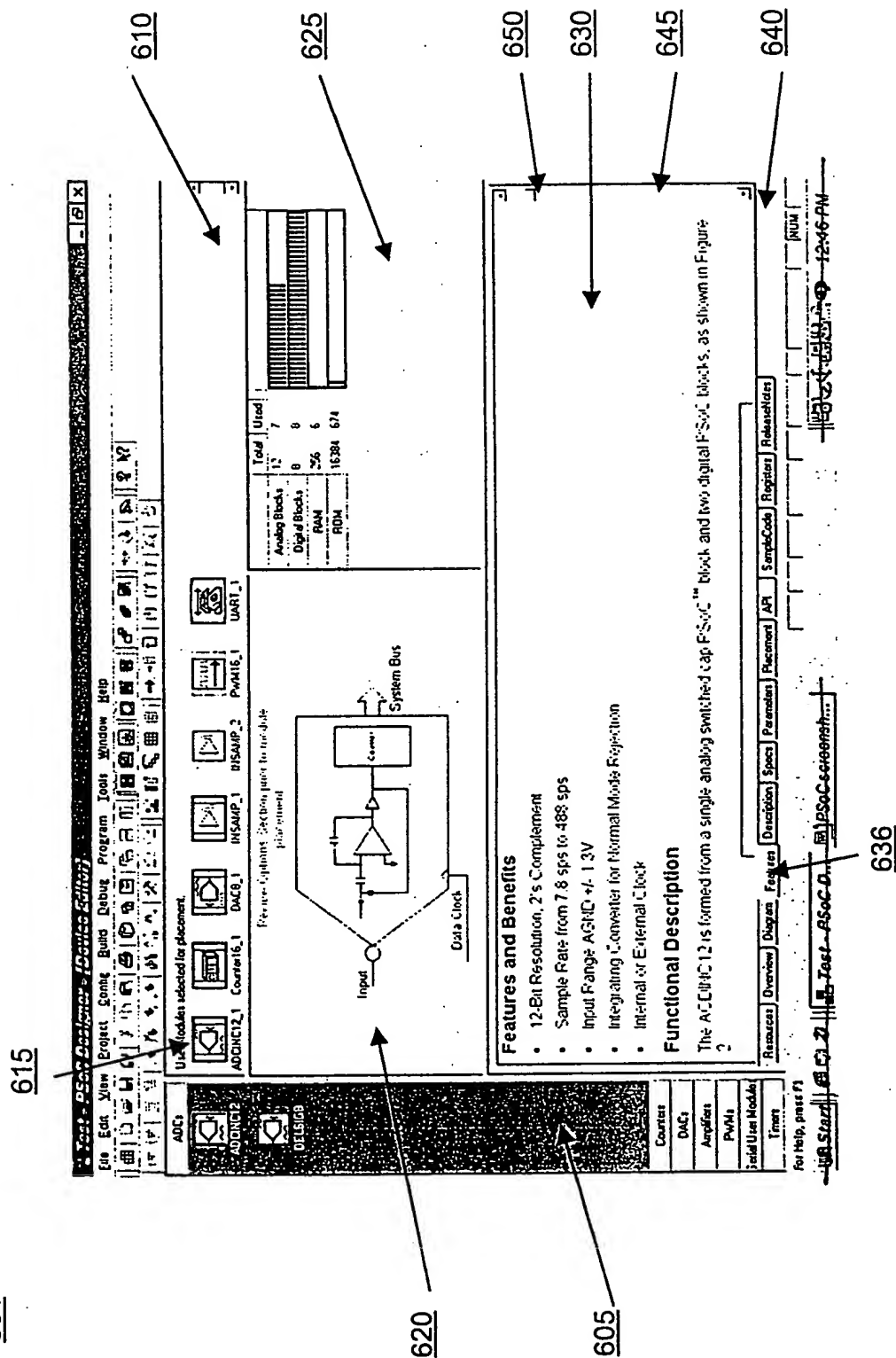


Figure 5

Figure 6A



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The screenshot displays the PSoC Designer software interface. The top menu bar includes File, Edit, View, Project, Config, Build, Debug, Program, Tools, Window, and Help. Below the menu is a toolbar with various icons for component placement and editing. The main workspace is divided into several panes:

- Left Pane (Component List):** Lists available components including ADCs, DACs, DELSIG, Counter, DAC, Amplifier, PWMs, Serial User Module, and Timers. A search bar at the top left of this pane contains the text "PSoC".
- Right Pane (Placement Window):** Shows a table of components selected for placement. The table has columns for "Component", "Total", and "Used".

Component	Total	Used
Analog Blocks	12	7
Digital Blocks	8	8
PWM	256	6
ROM	16384	674
- Bottom Pane (Schematic Diagram):** Shows a schematic diagram of the PSoC device. It includes a "Data Clock" input, a "Counter" block, a "DAC" block, and a "System Bus". The components are interconnected with lines representing data and control signals.
- Top Right Pane (Project Information):** Displays project details such as "Project Name", "Project Path", "Project Date", and "Project Version".

Arrows from the text labels point to specific elements in the interface: "Component List" points to the left pane, "Placement Window" points to the right pane, and "Schematic Diagram" points to the bottom pane.

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